

SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA

SCIENCE CLUB REPORT 2019-2020

Report:

Sree Narayana College, Sivagiri, Varkala was founded in 1964 in memory of the great social reformer Sree Narayana Guru, who believed in “*Liberation Through Education and Strength through Organisation*”. Club activities form an important part in the socio-economic life of students in colleges and are nowadays a basis of the curriculum. The ‘Science Club’ of our college, during 2019-2020, contains four teachers and sixty students from various departments of Geology, Botany, Chemistry, Mathematics, Physics and Zoology. The list is as follows

1. Parvathi S. Babu (Co-ordinator, Assistant Professor, Department of Physics)
2. Dr. Aranya S. (Assistant Professor, Department of Physics)
3. Lija P. Lekshmanan (Assistant Professor, Department of Chemistry)
4. Dr. Sreela S. R. (Assistant Professor, Department of Geology)

The Science Club and P.G. Department of Physics jointly organized the National Science Day – 2020 Celebrations. National Science Day is celebrated on February 28 each year in India commemorating Indian physicist C.V Raman’s discovery in 1928 of the Raman effect - the scattering of photons or light particles by matter. In this era of rapid development of science and technology, it is of prior importance to update and to maintain our scientific temper. Science has transformed our lives and outlook towards our sustainable living. Therefore, the Science Day celebration is immensely valuable in the present scenario. The main objectives of celebrating the National Science Day are to bring awareness to the public about the importance of scientific applications in their day to day life and to encourage them by popularizing science and technology. It allows the scientists from their fields and experts, to discuss the issues and new technologies trending in their fields. It also provides a platform to share their knowledge and ideas and to help students start a wonderful career in Science. The focal theme of National Science Day Celebrations 2020 is ‘Women in Science’. The programmes were conducted on 19th February 2020 and the Open day Visit to CSIR-NIIST was on 28th February 2020. Ms. Parvathi S. Babu, Co-ordinator, welcomed everyone to the seminar session. The presidential address was delivered by Dr. K. C. Preetha, Principal. One day seminar on ‘Biomaterials and Man’ was

inaugurated by Dr. Francis B. Fernandez, Scientist - C, Division of Bioceramics, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Sattlemund Palace, Poojappura, Thiruvananthapuram. Sri. Aji S.R.M, Sree Narayana Trust Executive Member, Dr. Joly A., Former Principal and HOD of Chemistry, Dr. Babitha G. S., IQAC Coordinator, Smt Sini V., PTA Secretary offered felicitations to the function. The teachers from various departments, the members of the science club and the students of Department of Physics participated in the function.



Inauguration Ceremony- Lighting the Lamp by Dr. K. C. Preetha and Dr. Francis B. Fernandez



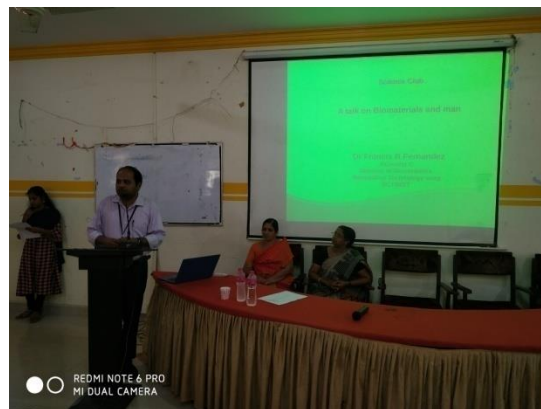
The Chief guests of the day



Prayer by Science Club members



Presidential Address by Dr. K. C. Preetha

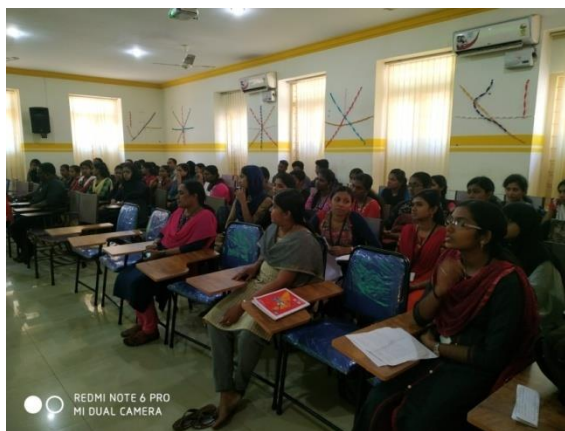


Inaugural Address by Dr. Francis B. F.



Vote of thanks by Varsha M.

The talk delivered by Dr. Francis B. Fernandez, Scientist - C, Division of Bioceramics, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Sattlemond Palace, Poojappura, Thiruvananthapuram was focused on 'Biomaterials and Man'. Inquisitiveness and the ability to ask the right questions are the basic tools of any aspiring scientist. He discussed about recent developments in Science and Technology. The presentation focused on people who refused to settle down and insisted on asking the right questions! We traced a path through major discoveries in neurology, digestion all instigated by curiosity. The talk also touched on biomaterials, their applications and also covered recent advances in the field that will soon have implications in our life. The speaker also answered queries and provided some information on suitable career paths and encouraged the students to work hard & prosper. Students actively participated in the session.



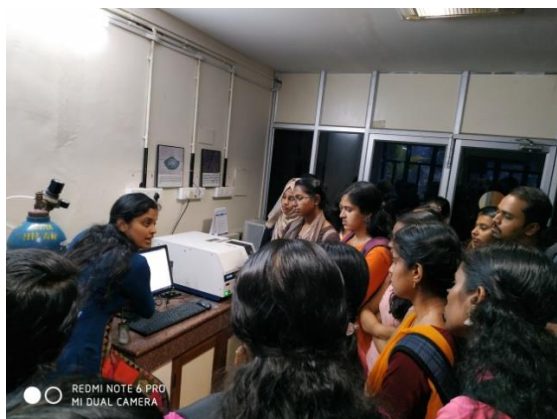
Invited Lecture by Dr. Francis B. Fernandez on the topic

‘Biomaterials and Man’

As part of the National Science Day celebrations, the PG students of Department of Physics visited the CSIR-National Institute for Interdisciplinary Science and Technology (NIIST) on 28th February 2020. It is one of the top constituent laboratories of CSIR, India engaged in research and development activities in the field of Agro-processing and Technology, Microbial processes and technology, Chemical Sciences and Technology, Materials Sciences and Technology, Environmental Technology and Societal Programmes. Around 80 scientists and 300 research fellows are working in various scientific disciplines in this institute.

Large numbers of students from various educational institutions were present on the special day. We got an opportunity to view the Xray diffractometer, Scanning Electron Microscope and Transmission Electron Microscope. The research fellows gave us a vast explanation on each equipments and their functioning, thereafter we visited the ceramics for Societal applications where they introduced several antimicrobial ceramic tiles. Biogas developing unit, well developed anaerobic digester for the treatment of biodegradable waste are also worth mentioning. Sir C. V. Raman Block was another major attraction in NIIST. UV spectroscopic Machine and its function, and the introduction of the NMR machine by the technical staff was a novel experience to the students. What the students study in their textbooks as letters turned out

to be a reality in front of them. Nuclear Magnetic is the prominent method for analysing organic compounds. It was indeed a privilege for us to visit the institute on the National Science Day





These celebrations are essential for understanding an idea about the importance of science and technology for our existence. It is clear that such programmes will motivate our students and will help them to be a part in the development of our nation.

SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA

SCIENCE CLUB 2019-2020

LIST OF STUDENTS

Sl. No.	Candidate Code	Name of the Candidate	Department
1.	21018134001	Abhijith S.	Geology
2.	21018134008	Gayathri R. Krishnan	Geology
3.	21018134013	Rahul S.	Geology
4.	21018134014	Rahul S.	Geology
5.	21018134021	Akhilesh S. Prasanthan	Geology
6.	24518134006	Anuja V S	Botany
7.	24518134008	Karthika G R	Botany
8.	23518134001	Akhila M S	Chemistry
9.	23518134002	Anaswara Vijay	Chemistry

10.	23518134003	Anjana R M	Chemistry
11.	23518134004	Anusree S	Chemistry
12.	23518134005	Archa S	Chemistry
13.	23518134006	Arun S	Chemistry
14.	23518134007	Aswathy D	Chemistry
15.	23518134008	Athira A	Chemistry
16.	23518134009	Athul B I	Chemistry
17.	23518134010	Farzana S Nishad	Chemistry
18.	23518134011	Ganga Sanil	Chemistry
19.	23518134014	Kavya S S	Chemistry
20.	23518134015	Pallavi Mohan	Chemistry
21.	23518134016	Resmi M Dharan	Chemistry
22.	23518134017	Sandra Baji	Chemistry
23.	23518134020	Surya R	Chemistry
24.	23518134021	SwathiKurup S	Chemistry
25.	23518134022	Ajmi S Jawad	Chemistry
26.	23518134024	Anagha Mohan	Chemistry
27.	23518134026	Ardra J S	Chemistry
28.	23518134027	Avani S D	Chemistry
29.	23518134031	Meghana A S	Chemistry
30.	23518134032	Mekha R	Chemistry
31.	23518134033	Parvathy S	Chemistry
32.	23518134034	Prakasan M	Chemistry
33.	23518134036	RiyaRasana R R	Chemistry
34.	23518134037	Snigdha A S	Chemistry
35.	23518134038	Soorya S	Chemistry
36.	23518134041	NikhilaSajith L	Chemistry
37.		Hilda R Nair	Chemistry
38.	22018134005	AnakhaAjith	Mathematics
39.	22018134006	Anusree S	Mathematics
40.	22018134007	Arathy R Nair	Mathematics
41.	22018134010	Athira L R	Mathematics
42.	22018134013	Gourikrishna R M	Mathematics
43.	22018134015	Maneesh M	Mathematics
44.	22018134017	Megha J R	Mathematics

45.	22018134018	Nasly S	Mathematics
46.	22018134022	Silpa A	Mathematics
47.	22018134024	SonaSanthosh	Mathematics
48.	22018134027	Stona L	Mathematics
49.	22018134028	Sulthana M Rafi	Mathematics
50.	22018134029	Varsha M	Mathematics
51.	22018134034	Aiswaraya S	Mathematics
52.	22018134036	Amritha K	Mathematics
53.	22018134043	Devu P	Mathematics
54.	22018134047	Lumina S R	Mathematics
55.	22018134050	RevathyPradeep	Mathematics
56.	22018134052	S Amina	Mathematics
57.	22018134055	FathimaBeevi	Mathematics
58.	23018134025	Arsha S S	Physics
59.	25018134017	Amritha B Cheriyanth	Zoology
60.	25018134024	Chandhu R S	Zoology

CO-ORDINATOR – PARVATHI S. BABU

SREE NARAYANA COLLEGE SIVAGIRI, VARKALA
SCIENCE CLUB

Wednesday, 19th February 2020

Programme Schedule

1:30 pm	:	Inaugural Session
Welcome	:	Smt. Parvathi S. Babu <i>(Convenor, Science Club)</i>
Presidential address	:	Dr. K. C. Preetha <i>(Principal)</i>
Inaugural address	:	Dr. Francis Boniface Fernandez <i>(Scientist –C, SCTIMST)</i>
Felicitation	:	Sri Aji S R M <i>(Executive Member, S N Trusts)</i>
		Smt. Joly A. <i>(HOD, Department of Chemistry)</i>
		Dr. Babitha G.S. <i>(IQAC Co-ordinator)</i>
		Smt. Sini V <i>(PTA Secretary)</i>
Vote of thanks	:	Varsha M. <i>(Science Club member)</i>
2.00 pm	:	“Biomaterials and Man” By Dr. Francis Boniface Fernandez <i>(Scientist –C, SCTIMST)</i>