



ST. DOMINIC'S COLLEGE, KANJIRAPALLY

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

RE-ACCREDITED WITH A GRADE BY NAAC

ABSORB & RADIATE



REPORT OF ACTIVITIES FOR DEVELOPMENT OF INNOVATION ECOSYSTEM

2018- 2019



IEDC CAMP

22-23 December 2018

The Innovation and Entrepreneurship Development Centre (IEDC) at St. Dominic's College, Kanjirapally, organized a two-day training camp on "Startup Troubles in Startups" from 27th to 28th August 2019. The camp was specifically designed for students who are interested in entrepreneurship and startups. The primary goal of the camp was to provide students with a comprehensive understanding of the challenges faced by startups and equip them with practical skills to overcome these challenges.

Day 1: Understanding the Challenges

The first day of the camp focused on understanding the challenges faced by startups. The IEDC team conducted interactive sessions on various topics such as customer acquisition, funding, marketing, team management, and legal compliance. The sessions were led by experienced entrepreneurs and professionals who shared their insights and experiences with the participants.

Day 2: Hands-On Workshops

The second day of the camp was dedicated to hands-on workshops where the participants learned practical skills to overcome the challenges faced by startups. The workshops covered topics such as product development, financial management, branding, and pitching ideas to investors.

The workshops were led by experts in the field who provided the participants with valuable insights and tips on how to develop their startups. The participants were given the opportunity to work on their ideas and receive feedback from the experts.



Department of Physics

Report of the Talk - Astronomical instrumentation, methods and techniques

As a part of the activities of the Physics forum, a talk on astronomy was conducted for the undergraduate students of the department on 13/09/2018. The seminar commenced at 2:00 pm with the welcome speech of Mr. Nelson Kuriakose, head of the department. He gave a brief introduction about the speaker. The lecture was delivered by Ms. Nayana M, research scholar at National Center for Radio Astrophysics. The topic of the lecture was ‘Astronomical instrumentation, methods and techniques’. Ms. Nayana who is an active member of the International Astronomical Union delivered a very interesting lecture on the latest trends in the field of astronomy related research areas. She also narrated the theories and techniques of Astronomical instrumentation. The concepts of radio astronomy were explained to the students. The seminar was indeed a grand success as the students participated with great enthusiasm. About 80 students participated in the seminar. Ms. Anns Maria Soney, student representative thanked all those who participated in the seminar. The seminar came to a close at 3:30pm.

**St. Dominic's College,
Kanjirapally**

Department of Physics

Physics Forum Presents

Talk on

**Astronomical Instrumentation,
Methods and Techniques**

Resource Person



Ms Nayana A J

Research Scholar at National Center for
Radio Astrophysics

VENUE - AUDIOVISUAL ROOM

DATE : 13/09/2018

TIME : 2:00 PM

Department of Physics
St. Dominic's College Kanjirappally

Talk on "Smart materials : Introduction and Application"

Venue: Audio Visual Hall

Date & Time: 31-7-2018, 10.00 AM

Resource Person: Dr. Ignatius Korah

Department of physics, st. Dominic's College Kanjirappally organised a seminar on the topic "Smart materials: An Introduction and Application" on 31-7-2018 in connection with the inauguration of physics forum 2018. The talk was delivered by Dr. Ignatius Korah, Former Vice Principal of St. George College, Aruvithara. The program started at 10.00 AM in Audio Visual Hall of College with a prayer song. Dr. Vimal G, who is the faculty in-charge of the Physics forum welcomed all the gatherings to the event. College principal Rev. James Philip inaugurated the meeting and delivered the inaugural address and also gave a warm welcome to Dr. Ignatius Korah. The president of the meeting Mr. Nelson Kuriakose, the Head of the Department delivered the presidential address and also pointed out the significance of the seminar topic. The former HOD, Miss. Marykutty Joseph gave a warm felicitation to the program. Following that the keynote speaker Dr. Ignatius Korah delivered a very informative class on Smart materials and their wide possibilities in the technological realms. He introduced smart materials as intelligent materials that have one or more properties that can be significantly changed in a controlled fashion by external stimuli. He shared his research experiences in certain mixed rare earth oxalate crystals which showed very attractive smart responses. Students asked him about the possibilities and importance of research in material science and all were satisfied very well after the fruitful discussion with him. Mr. Albin K Binu, the secretary of the Forum thanked everyone after the nice talk.

Participants

Sl. No	Name	Sl. No.	Name
1	AATHILS SHYLAN	36	ALBIN .K. BINU
2	AKASH K SHIBU	37	ALWIN JOSEPH
3	HARIGOVIND S	38	JERIN MANI
4	HARIKRISHNAN P. S	39	JITHIN SAJEEVAN
5	TONYMON TIJO	40	KARTHIK P.M.
6	VIMITH S	41	TIBIN JACOB
7	AYONA TOMY	42	AMALU JACOB
8	ALEENA ANNA THAMPI	43	ATHIRA SURESH
9	ASWATHY K R	44	CHINNUMOL XAVIER
10	DIVYA C NAIR	45	DHANYA JOSEPH
11	GREESHMA SANTHOSH	46	SARAH GEORGE
12	HYMA SHAMSUDEEN	47	SELMY JOSEPH
13	JISNA MARIA JOSE	48	ALLEN ANTO
14	KRISHNAPRIYA P. M	49	ARAVIND SURESH
15	LOVEENA MARY PRAKASH	50	KEVIN J. THAYIL
16	ALAN SAJI	51	NITHIN JOSE
17	ALBERT VARGHESE	52	SREEJITH K.K.
18	AL-MANAF NOUSHAD	53	SUJITHMON T.S.
19	ANAND K ANIL	54	AISWARYA V.S
20	DANY JOSEPH	55	ALFIYA NAZAR
21	DON M S	56	ANAKHAMOL V.V.
22	JACKSON JACOB	57	ANGELA JULIAN .V.
23	NEVIL MATHEW	58	ANNS MARIA SONEY
24	SREEJITH M G	59	ASHA ROSE MATHEW
25	SWATHYMON THANKAPPAN	60	BINITA MARY VARGHESE
26	ALEESHA ANUB	61	ELIZABETH SEBASTIAN
27	AMALU ROSE MATHEW	62	HARISHMA DESAI
28	ANITHA SIBY	63	LIYA SUNNY
29	ARCHANA K A	64	NILJA GEORGE
30	GOPIKA PRAKASH	65	NIMMI ANNIE THOMAS
31	MARIYA ANTONY	66	Mr. Nelson Kuriakose
32	RAJESWARY P S	67	Ms. Smitha Mathew
33	RESHMA C KRISHNA	68	Dr. Vimal G
34	RESHMA GEORGE	69	Miss. Marykutty Joseph





Report of the SASTHRA JALAKAM 2018

Science enrichment program

**Sponsored by
General Education Department and State Institute of Educational
Technology (SIET), Government of Kerala**

**Held at
St. Dominics College Kanjirappally
From 30/11/2018 to 2/12/2018**

**Submitted by
Mr. Nelson Kuriakose
Coordinator, Sasthra Jalakam
St. Dominics College Kanjirappally**

SHASTHRAJALAKAM 2018

DAY 1

The program is conducted from **30/11/2018 to 2/12/2018** under the coordination of Physics Department of St. Dominic's College, Kanjirappally. The program was started by the inauguration function held at college auditorium on 9.30 am. Mr. Nelson Kuriakose, Head of the Department, Department of Physics, welcomed the invited guests and gatherings of the function. The college principal Rev. Fr. Dr. James Philip delivered the blessing speech. The program chaired by college manager Rev. Fr. Varghese parinthirikkal was inaugurated by respected MLA P.C. George. Prof. C. Sudarsanakumar (Dean of Science, Mahatma Gandhi University, Kottayam) delivered keynote address of the program. The function was warmly concluded by the felicitations of Dr. Jojo George (Vice Principal), Fr. Dr. Manoj Palakkudi (College Bursar), Prof. VPN Nampoori (Emeritus Professor, ISP, Cusat), Miss Ansa Ansari (College union chair person). Dr. Rani Alphonsa Jose gave the vote of thanks.



**Sri. PC George MLA inaugurated the Sasthrajalakam 2018 at St. Dominics College
Kanjirappally**

The first lecture session was started on 11.00 am after the tea break. The lecture was conducted by Prof. VPN Nampoori (Emiratus Professor, International School of Photonics, CUSAT) on the topic “പ്രകാശത്തിന്റെ പ്രകീർണ്ണം, ഗുരുത്വാകർഷണം, വാർത്തുള്ള ചലനം: പരീക്ഷണ നിരീക്ഷണങ്ങൾ”. The session also included some experimental demonstrations, which helps to boost the enthusiasms of the students.

Second lecture session was started after lunch break on 1.15 pm and was guided by Prof. Vincent Mathew (Professor, Central University of Kerala). The topic of the discussion was “ നാനോ ടെക്നോളജി - ഒരു ആമുഖം”. The students were seriously engaged the class and cleared their doubts about the topic and thus showed their interests to the science.

After 2.30 pm there was a discussion session with the members of science club where they introduced the Physics Lab to the students. Many experiments in different fields of physics were demonstrated on the lab for the students. The students also did experiments in the field of electronics, mechanics, optics and magnetism and take observations with the help of teachers.

After the tea break, a science documentary show was conducted on 6.00pm. A discussion on the documentary was also organized and was lead by Mr. Midhun Varghese (Research Scholar). All students were enjoyed the program.

There after a sky watching section was arranged with the support of Kerala state science and technology museum (ksstm) to explore the astronomical knowledge. A one hour very interesting lecturing session about the astronomical objects was also taken by the members of the ksstm before the sky watching. In the last session of the day, the students were engaged by Mr. Ajith Kumar (Faculty, St. Thomas College Pala) who exhibited the working demonstration of stroboscope

and deliver a lecture on its theory and various applications. First day of sasthantharakam was concluded with dinner.

DAY II

The second day was started with the breakfast. The first lecture session of the day was taken by Prof. T. A. Jose (Rtd. Professor, Department of Chemistry SD College, Kanjirappally) on 9.15am in the topic “രസതന്ത്രത്തിന്റെ വളർച്ച അടിസ്ഥാന തത്വങ്ങളിലൂടെ”. The students keenly observed various demonstrations and experiments during the session.

After the tea break, the next session was started with the lecture of Dr. Baby Thomas (Rtd. Professor, SD College, Kanjirappally) on 10.45am in “രസതന്ത്രം അനദിന ജീവിതത്തിൽ”. The lecture was enriched with various experimental demonstrations, which help to understand many chemical phenomena that are usually experienced in our day by day life.

A lab session was organized in college chemistry lab after the lunch on 1.15pm. The department done a very good lab arrangements in order to ensure all the students can do various chemical experiments and analysis with the help of instructors. Mr. Anish Babu and Mr. Nithin Mathew (Faculties of the department of chemistry) conducted an interaction session on 5.00 pm. A discussion was arranged for the students with the College Alumni Dr. Vijayakumar S Nair, (Scientist at VSSC, Young Scientist Award Winner) on 6.30pm. Second day was concluded with dinner

DAY III

Third day of the program was begins with the delicious breakfast at college canteen. The first lecture session of the day was delivered by Mr. Bobby Joseph,

(HOD, Department of Botany, St .George College Aruvithura) on the topic “History of earth: a never ending story of changing climate and evolution” on 8.30 am. At 9.30 am next lecture session was started guided by Mr. Justin Jose (Asst. Professor, Devamatha College, Kuravilangadu) on the topic “Aquatic ecosystem: diversity and importance”. After the tea break different experiments were demonstrated on Botany Lab from 10.45 am followed by Zoology lab session after lunch from 1.00pm. The participants of the program shared their new experience of the program with the coordinators.

A photo session is arranged to take group photos of all peoples who make the program a grand success.

Valedictory function was started on 2.40 pm with the welcome speech of Mr. Nelson Kuriakose (HOD, Department of Physics). Respected College principal Rev. Dr. James Philip chaired the function. The keynote address was delivered by the Chief guest of the program Dr. R Pragash (Syndicate member MG university). The overall program assessment was delivered by college vice principal Dr. Jojo George. The participating certificates of the sasthanthirajalakam were distributed to the students by the invited persons on the dias. The three day residential program sasthanthirajalakam was successfully concluded with the vote of thanks by Dr. Vimal G, Asst. Professor, Department of Physics.

DAY I

Lecture Sessions:



Prof. VPN Nampoori conducting a session at Sasthrajalakam 2018



Prof. Vincent Mathew delivering a session at Sasthrajalakam 2018

Practical sessions



**Demonstration of different physics lab experiments by Ms. Smitha Mathew and Ms. Arya
Kantha**



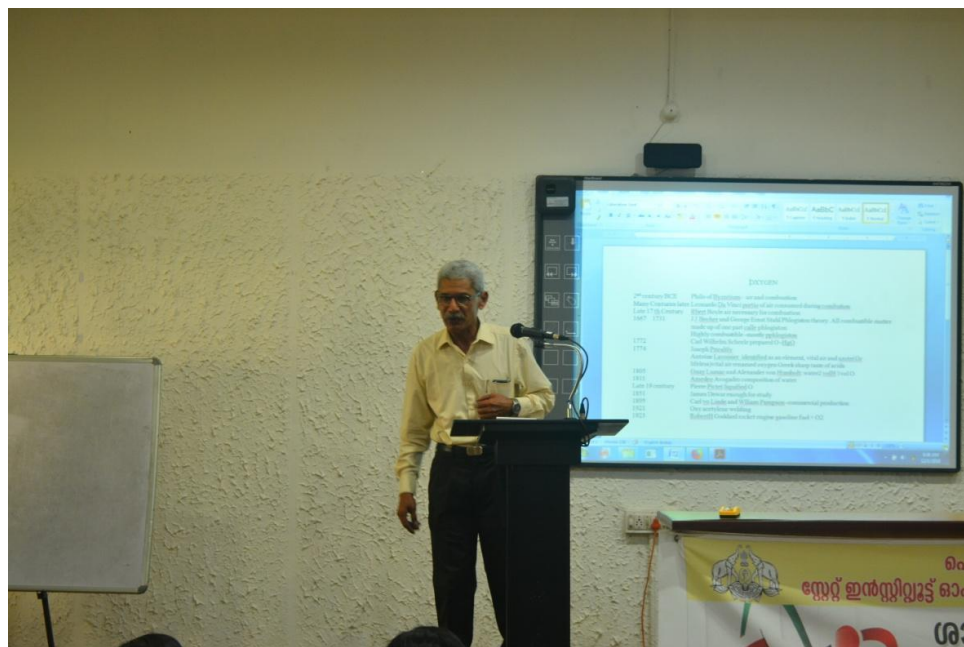
Sky watching session with the cooperation of KSSTM



Mr. Ajith Kumar demonstrating a working model of stroboscope

DAY II

Lecture Sessions



Prof. T. A. Jose delivering a class to the participants



Dr. Baby Thomas giving a lecture at Sasthrajalakam 2018

Practical sessions





Ms. Mary pitunia and Mr. Nithin Mathew conducting different chemistry lab experiments



Mr. Nithin Mathew conducting an interacting session with students



Discussion with the scientist Dr. Vijayakumar S Nair

DAY III

Lecture Sessions



Practical sessions



Mr. Michael Thomas explaining different botany lab experiments



Students giving their feedback about the program



Prof. R. Pragash giving the keynote address at the valedictory function



Dr. Vimal G giving the vote of thanks



Students with College principal and faculties