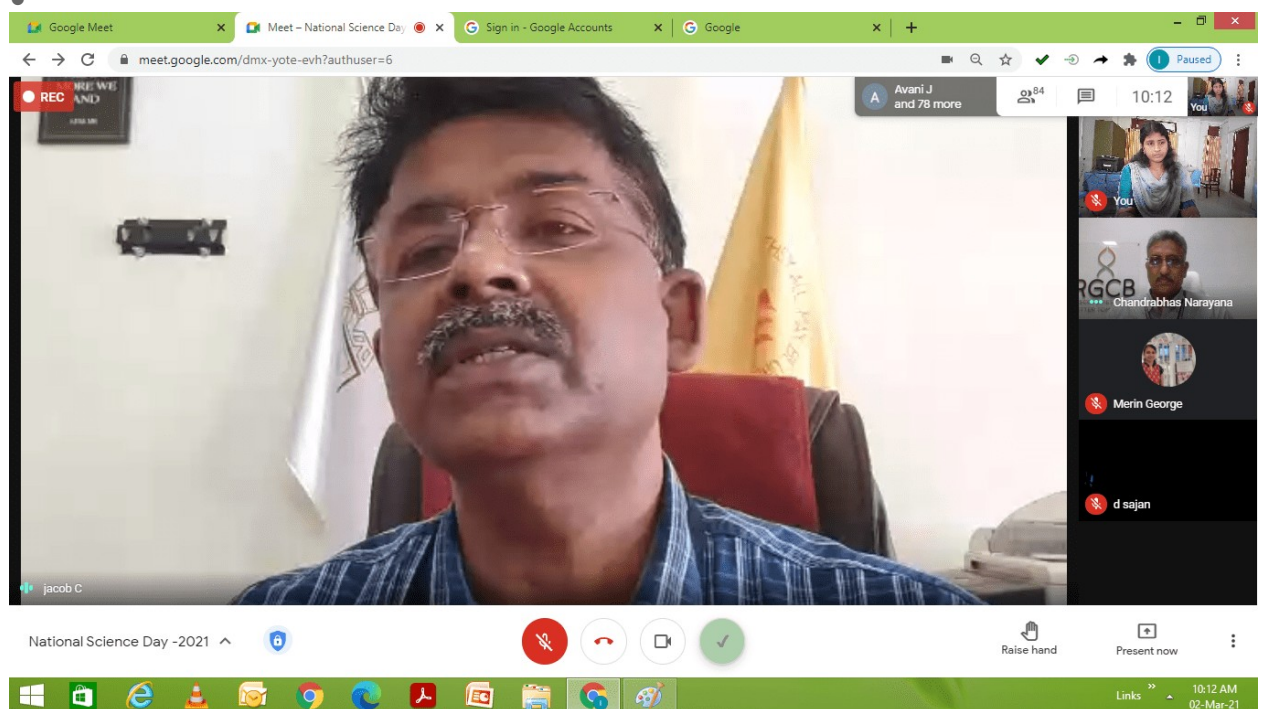
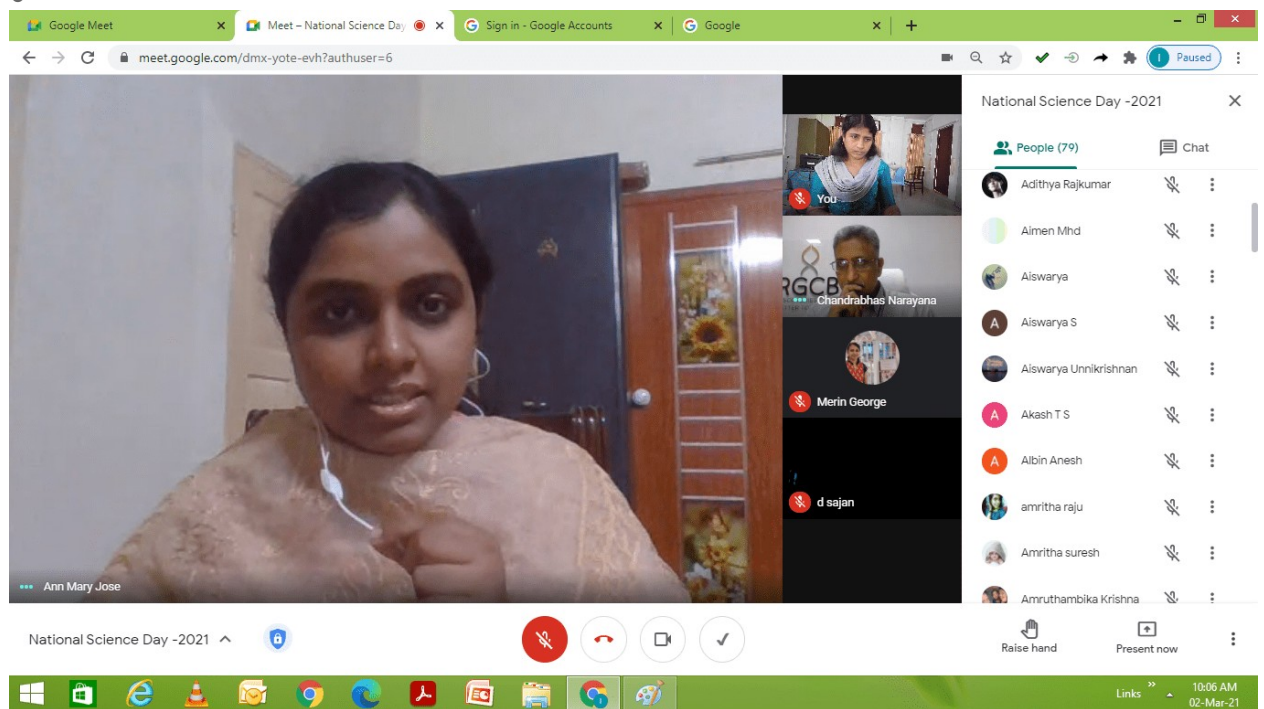


- 02 March 2021: APT, Department of Physics and Science Club organizes NSD 2021



Google Meet | Meet - National Science Day | Sign in - Google Accounts | Google

meet.google.com/dmx-yote-evh?authuser=6

REC

VIMI R and 68 more

10:15

You

Jacob C

Chandrabhas Narayana

Merin George

Ann Mary Jose

Gopika S

d sajan

IQAC Bishop Moore College

Adarsh Shambu

Vishnu Priya

Sreelekshmi J

Sankaran nampoothiri

Ancy Mary

Anila C R

ANAND JOY

Blessy AB

National Science Day -2021

Turn off camera (CTRL + E)

Raise hand

Present now

Links

10:15 AM 02-Mar-21

Google Meet | Meet - National Science Day | Sign in - Google Accounts | Google

meet.google.com/dmx-yote-evh?authuser=6

REC

Deepa Mary Raju and 65 more

10:19

You

Chandrabhas Narayana

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National Science Day -2021

Raise hand

Present now

Links

10:19 AM 02-Mar-21

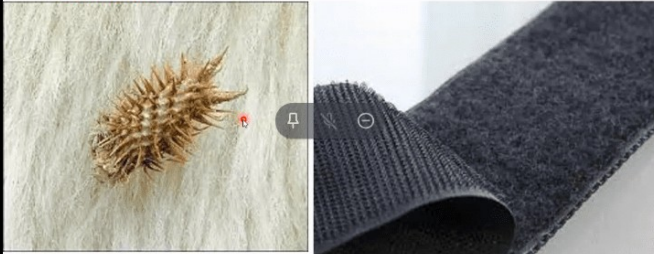
Google Meet | Meet - National Science Day | Sign in - Google Accounts | Google | Inbox (9) - bmcasac2020@gmail.com

meet.google.com/dmx-yote-evh?authuser=6

REC Chandrabhas Narayana is presenting

Discovery of Velcro

Cockle-Burs



George de Mestral
Swiss Engineer

National Science Day -2021

Albin Anesh and 69 more

10:23

You

Chandrabhas Narayana

Merin George

Ann Mary Jose

d sajan

IQAC Bishop M...

Adarsh Shambu

Vishnu Priya

Sreelekshmi J

Sankaran nam...

Ancy Mary

Anila C R

Jibi Kunjumon

ANAND JOY

Jacob Chand...

Raise hand

Chandrabhas Narayana is presenting

Links


10:23 AM 02-Mar-21

Google Meet | Meet - National Science Day | Sign in - Google Accounts | Google | Inbox (9) - bmcasac2020@gmail.com

meet.google.com/dmx-yote-evh?authuser=6

REC Chandrabhas Narayana is presenting

In the age of Innovation, Nature and our surroundings can teach us to Discover



Chandrabhas Narayana
Chemistry and Physics of Materials
Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur P.O., Bangalore 560064, India
cbhas@jncasr.ac.in
<http://www.jncasr.ac.in/cbhas>

Talk for the National Science Day for Department of Physics, Bishop Moore College, Mavellikara, Kerala – 02 March 2021

Kiran K and 66 more

10:20


You

Chandrabhas Narayana


Chandrabhas Narayana is presenting

Links


10:20 AM 02-Mar-21



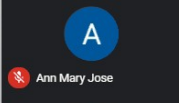
Merin George



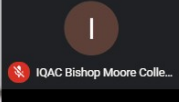
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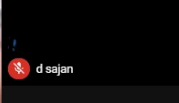
Chandrabhas Narayana



Ann Mary Jose



IQAC Bishop Moore Colle...



d sajan

National Science Day -2021

People (78)

Chat

	Adithya Rajkumar		
	Aimen Mhd		
	Aiswarya		
	Aiswarya S		
	Akash T S		
	Albin Anesh		
	amritha raju		
	Amritha suresh		
	Amruthambika Krishna		
	Anamika R		
	ANAND JOY		
	Anandhu Murali		

Raise hand

Present now

National Science Day -2021

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and Physics of Materials Unit and Dean, Fellowships and Extension Programmes, JNCASR. He holds three international patents to his credit.

Prof. Chandrabhas Narayana received his PhD from the Department of Physics, Indian Institute of Science, after completion of his bachelor's and master's in science from the Regional Institute of Education, Mysuru. Before joining as a faculty member at JNCASR, he did his post-doctoral research at Cornell University, Ithaca, New York. At JNCASR, Prof Narayana and his team pioneered the use of Raman Spectroscopy in drug-protein interaction for drug screening applications and diagnostic applications.

Prof. Narayana is the recipient of several honours, including the Material Research Society of India bronze medal, Sir C.V. Raman Young Scientist Award (Karnataka government), and the C.N.R. Rao Oration award. A Fellow of the National Academy of Science, India; Royal Society of Chemistry; and of the Indian Academy of Sciences, Prof. Narayana has published over 175 research papers in international journals. He has also been visiting professor to leading institutions around the world and is member of several governing and advisory bodies and board of studies of leading universities and higher education institutions in the country.

Report

Science day is celebrated to mark the importance of contributions made by scientists towards the development of our nation and the world as a whole. It is used to create awareness about the role of science in society. With this objective, the Department of Physics of Bishop Moore College, Mavelikara supported by the Academy of Physics Teachers, organized a webinar on the topic "In the age of innovation, nature and our surrounding can teach us to discover". The speaker for the webinar was Prof. Chandrabhas Narayana, Director of the Rajiv Gandhi Centre for Biotechnology (RGCB). The online lecture was conducted through Google meet and 85 participants attended the session. Ms. Ann Mary Jose and Dr. Tinru K Kuruvilla, served as the co-coordinators of the National science day celebrations. The session was presided by the college principal Dr Jacob Chandy. Ms. Ann Mary Jose, Assistant Professor, Department of Physics introduced the speaker and welcomed the participants.

He started the session by explaining simple concepts like mixing of colours, colour combination in printing industry and the reasons for sea appearing blue. The resource person gave an insight to look into our surroundings for greater innovations by applying simple knowledge. The discussion then moved on to the potential application of Raman spectroscopy in the needs of the present age. The basic principles and advances of Raman spectroscopy in the field of atherosclerosis was discussed. Raman spectroscopy can provide detailed,

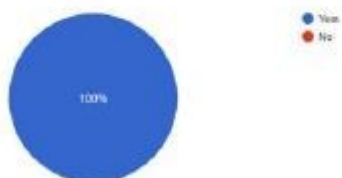
quantitative information about the chemical composition of an atherosclerotic plaque. Further, the speaker highlighted the application of Raman spectroscopy in breast cancer by comparing the Raman spectra of normal, benign, and malignant breast tissue. Moreover, usefulness of Raman spectroscopy in pharmaceutical industry were also explained in detail. Raman spectroscopy is a rapid, sensitive and non-destructive technique for identification of counterfeit medicines.

The participants were highly motivated and impressed when the resource person concluded the session by giving 3 important inspirational messages. Firstly, to pursue one's interest and to have a deeper understanding. Secondly, one can change the discipline anytime in one's life- the earlier the better. And finally, he encouraged the students to be creative as it leads to happiness, longevity and not money.

The resource person gave detailed explanation to all the questions raised by the participants. Dr. Tintu K Kuruvilla, Assistant Professor of the Department of Physics proposed the vote of thanks to conclude the session. Feedback of the session was taken online.

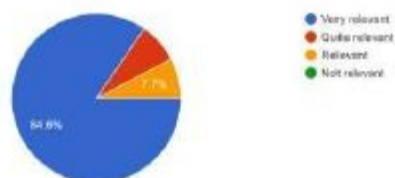
Feedback

Was the content of the session useful?
63 responses



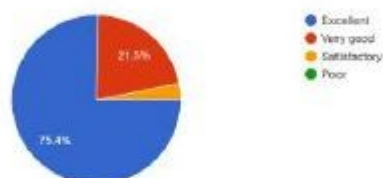
Rate the relevance of the topic

65 responses



Give your overall rating of the session

63 responses



Poster Design Competition

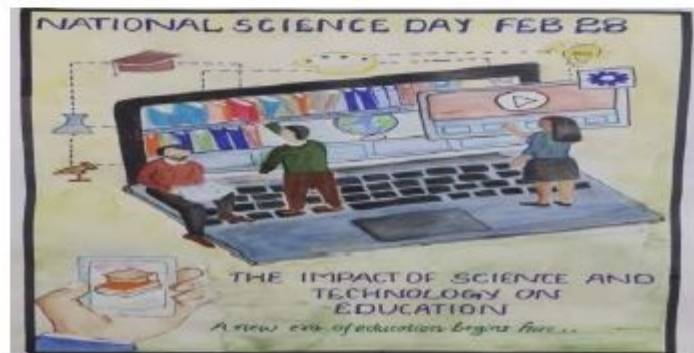
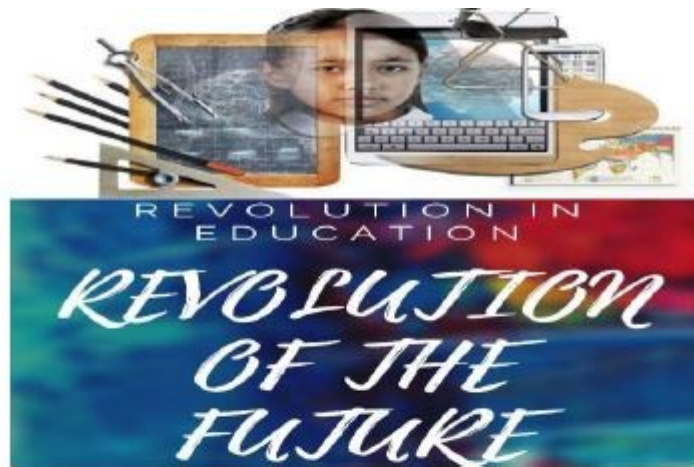
As part of National Science Day Celebrations 2021, the Department of Physics and Science Club of Bishop Moore College Mavelikara, in association with Academy of Physics Teachers organized a poster designing contest for UG and PG students. The topic for poster designing was "Impacts of Science and Technology on Education". The students were asked to submit the poster in jpg format with file size less than 1 MB. The first three positions were secured by

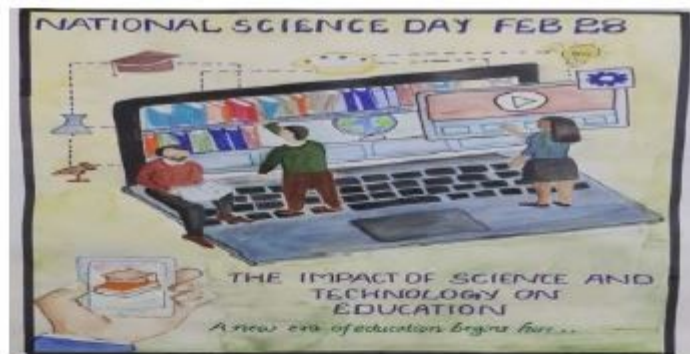
First prize: Shyam Sanjai, BA English

Second prize: Durga B, MSc Physics

Third Prize: Pooja Shaji R, MSc Physics

Cash prizes were given to these students.





Acknowledgement

The Department of Physics, Bishop Moore College, Mavelikara acknowledge the support sanctioned by the Academy of Physics Teachers, Kerala for the conduct of this programme.